

CLAIMS

1. A method of processing an information signal in which a plurality of watermarks (Wi) are present, the plurality of watermarks together defining a payload, the method comprising:
- 5 detecting the presence (60-62) of each of the plurality of watermarks (Wi) in the information signal;
- determining the payload (70, 75) represented by the watermarks; and,
- calculating a measure of confidence (110) in the accuracy of the payload
- 10 represented by the watermarks.
2. A method according to any one of the preceding claims further comprising comparing (112) the measure of confidence with a threshold confidence value (111) and providing an output (113) based on the
- 15 comparison with the threshold confidence value.
3. A method according to claim 2 further comprising not determining the payload represented by the plurality of watermarks if the output (113) indicates that the measure of confidence is below the threshold confidence value.
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4. A method according to any one of the preceding claims wherein the step of detecting the presence (60-62) of each watermark comprises:
- deriving, for each watermark, a set of correlation results (64) by correlating the information signal with one of the watermarks (Wi) for each of a
- 25 plurality of relative positions of the information signal with respect to the watermark; and
- detecting a correlation peak (65, 85) in the set of correlation results (64) for each watermark.
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5. A method according to claim 4 wherein the measure of confidence in the payload is based on the correlation results in the region of the correlation peak.

6. A method according to claim 5 wherein the measure of confidence is related to the total energy of the correlation peak.

5 7. A method according to claim 5 or 6 wherein the measure of confidence is related to the shape of the correlation peak.

8. A method according to any one of claims 4 to 7 further comprising identifying clusters of correlation results (65) which are likely to represent correlation peaks and processing the clusters to identify the cluster that is most
10 likely to represent the true correlation peak.

9. A method according to claim 8 wherein the step of identifying clusters of correlation results (65) comprises determining all correlation results in the set which exceed the threshold value and then determining which of those
15 correlation results are located within a predetermined distance of each other.

10. A method according to any one of claims 4 to 9 wherein the step of detecting the presence of watermarks comprises comparing at least part of the set of correlation results with information about an expected shape of a
20 correlation peak in the results.

11. Software for performing the method according to any one of the preceding claims.

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12. An arrangement for processing an information signal in which a plurality of watermarks (Wi) are present, the plurality of watermarks together defining a payload, the arrangement comprising:

means for detecting (60-62) the presence of each of the plurality of
30 watermarks (Wi) in the information signal;

means for determining (70, 75) the payload represented by the watermarks; and,

means for calculating (110) a measure of confidence in the accuracy of the payload represented by the watermarks.

13. An arrangement according to claim 12 which further comprises
5 means for performing any of the steps of the method according to claims 2-10.

14. An arrangement according to claim 12 or 13 wherein the means for detecting, means for determining and means for calculating comprise a processor which is arranged to execute software for performing those
10 functions.

15. Apparatus for presenting an information signal comprising means for disabling operation of the apparatus in dependence on the presence of a valid watermark in the information signal, wherein the apparatus comprises an
15 arrangement according to any one of claims 12-14.